

# SAFETY DATA SHEET

## 1. Identification

<b>Product identifier</b>	<b>Sodium Bisulfite Solution</b>		
<b>Other means of identification</b>			
<b>SDS number</b>	AUC-007		
<b>Synonyms</b>	Aqua Guard Sodium Bisulfite Solution 38% * Aqua Guard Sodium Bisulfite Solution 25% * Aqua Guard Sodium Bisulfite * Sodium Bisulfite * Bisulfite		
<b>Recommended use</b>	Used for dechlorination, oxygen scavenger, chrome reduction, hydrogen peroxide reduction, photographs, beverages & food.		
<b>Recommended restrictions</b>	None known.		
<b>Manufacturer/Importer/Supplier/Distributor information</b>			
<b>Manufacturer</b>			
<b>Company name</b>	Allied Universal Corporation		
<b>Address</b>	3901 N.W. 115th Avenue Miami, FL 33178 United States		
<b>Telephone</b>	General:	1-305-888-2623	
	24-Hour alert:	1-786-522-0207	
<b>Website</b>	www.allieduniversal.com		
<b>E-mail</b>	Not available.		
<b>Contact person</b>	Operations Department		
<b>Emergency phone number</b>	CHEMTREC	1-800-424-9300 (US/Canada) +01 703-527-3887 (International)	
<b>Supplier</b>	Refer to Manufacturer		

## 2. Hazard(s) identification

<b>Physical hazards</b>	This mixture does not meet the classification criteria according to OSHA HazCom 2012.		
<b>Health hazards</b>	Skin corrosion/irritation	Category 1C	
	Serious eye damage/eye irritation	Category 1	
	Sensitization, skin	Category 1	
	Specific target organ toxicity, single exposure	Category 3 narcotic effects	
<b>Environmental hazards</b>	This mixture does not meet the classification criteria according to OSHA HazCom 2012.		
<b>OSHA defined hazards</b>	This mixture does not meet the classification criteria according to OSHA HazCom 2012.		
<b>Label elements</b>			



<b>Signal word</b>	Danger
<b>Hazard statement</b>	Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye damage. May cause drowsiness or dizziness.
<b>Precautionary statement</b>	
<b>Prevention</b>	Do not breathe mist or vapor. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.
<b>Response</b>	Specific treatment (see this label). If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor.
<b>Storage</b>	Store in a well-ventilated place. Keep container tightly closed. Store locked up.

<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Hazard(s) not otherwise classified (HNOC)</b>	No OSHA defined hazard classes. OSHA defined hazard class: May be corrosive to metals. Contact with most metals will generate flammable hydrogen gas. May be harmful if swallowed. May cause respiratory irritation. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
<b>Supplemental information</b>	None.

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Sodium Bisulfite	Sodium hydrogen sulfite Sodium hydrosulfite	7631-90-5	10-40
Other components below reportable levels			60-90

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 4. First-aid measures

<b>Inhalation</b>	IF INHALED: Remove person to fresh air and keep comfortable for breathing. If breathing is difficult, give oxygen. If breathing stops, provide artificial respiration. Immediately call a POISON CENTER or doctor/physician.
<b>Skin contact</b>	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Duration of rinsing should be at least 20 minutes. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
<b>Eye contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Duration of rinsing should be at least 20 minutes. Immediately call a POISON CENTER or doctor/physician.
<b>Ingestion</b>	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do not induce vomiting. Never give anything by mouth to a victim who is unconscious or is having convulsions.
<b>Most important symptoms/effects, acute and delayed</b>	May cause allergic skin reaction. May cause drowsiness or dizziness. Symptoms may include pain, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Causes severe skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin. May cause respiratory irritation. Symptoms may include upper respiratory irritation, coughing, and breathing difficulties.
<b>Indication of immediate medical attention and special treatment needed</b>	Immediate medical attention is required. Could cause skin burns and eye damage. Provide general supportive measures and treat symptomatically. This product is a CNS depressant.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	Toxic fumes, gases or vapors may evolve on burning.
<b>Special protective equipment and precautions for firefighters</b>	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
<b>Fire fighting equipment/instructions</b>	Evacuate area and fight fire from a safe distance. Move containers from fire area if you can do so without risk. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	Not considered flammable.
<b>Hazardous combustion products</b>	Sulfur oxides (SO <sub>x</sub> ). Sulfur dioxide.

### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
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**Methods and materials for containment and cleaning up**

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Ventilate the contaminated area. Stop leak if you can do so without risk. Dike the spilled material, where this is possible. Absorb spill with vermiculite or other inert material. Pick up and transfer to properly labeled containers. For waste disposal, see section 13 of the SDS.

**Environmental precautions**

Avoid discharge into drains, water courses or onto the ground.

**7. Handling and storage**

**Precautions for safe handling**

Use only outdoors or in a well-ventilated area. Avoid breathing mist or vapor. Avoid contact with eyes, skin and clothing. Label containers appropriately. Keep containers closed when not in use. Contaminated work clothing must not be allowed out of the workplace. Keep away from incompatibles, refer to section 10. Avoid release to the environment. Wash hands after handling and before eating. Wear protective gloves/clothing and eye/face protection. Persons with recurrent skin eczema or sensitization problems should be excluded from working with this product. Once a person is sensitized, no further exposure to the material that caused the sensitization should be permitted.

**Conditions for safe storage, including any incompatibilities**

Store locked up. Keep container tightly closed. Store away from incompatible materials (see Section 10 of the SDS). Store in a cool, dry place out of direct sunlight. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel.

**8. Exposure controls/personal protection**

**Occupational exposure limits**

**US. ACGIH Threshold Limit Values**

Material	Type	Value
Sodium Bisulfite Solution	TWA	5 mg/m3
<b>Components</b>	<b>Type</b>	<b>Value</b>
Sodium Bisulfite (CAS 7631-90-5)	TWA	5 mg/m3

**US. NIOSH: Pocket Guide to Chemical Hazards**

Material	Type	Value
Sodium Bisulfite Solution	TWA	5 mg/m3
<b>Components</b>	<b>Type</b>	<b>Value</b>
Sodium Bisulfite (CAS 7631-90-5)	TWA	5 mg/m3

**Biological limit values**

No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**

Wear safety glasses with side shields (or goggles) and a face shield. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

**Skin protection**

**Hand protection**

Wear appropriate chemical-resistant gloves. Advice should be sought from glove suppliers.

**Other**

Wear suitable protective clothing and eye/face protection.

**Respiratory protection**

In case of insufficient ventilation, wear suitable respiratory equipment. Use a NIOSH approved respirator if there is a risk of exposure at levels exceeding the exposure limits. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134). Seek advice from respiratory protection specialists.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

Contaminated work clothing should not be allowed out of the workplace.

**9. Physical and chemical properties**

**Appearance**

<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Straw colored.

<b>Odor</b>	Pungent, sulfur-like odor.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	> 17.96 °F (> -7.8 °C)
<b>Initial boiling point and boiling range</b>	Decomposes
<b>Flash point</b>	Does not burn
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not applicable.
<b>Flammability limit - upper (%)</b>	Not applicable.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	9 mm Hg
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Soluble
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not applicable.
<b>Decomposition temperature</b>	219.2 °F (104 °C)
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Density</b>	1.33 g/cm <sup>3</sup> (for a 38% solution); 1.20 g/cm <sup>3</sup> (for a 25% solution)
<b>Explosive properties</b>	Not explosive.
<b>Molecular formula</b>	H <sub>2</sub> O <sub>3</sub> -S.Na
<b>Molecular weight</b>	104.06 g/mol
<b>Oxidizing properties</b>	No oxidizing properties.
<b>pH in aqueous solution</b>	4.1 - 4.6
<b>Specific gravity</b>	1.33 (for a 38% solution); 1.20 (for a 25% solution)

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions. Decomposes on heating.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur. No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Contact with incompatible materials. Exposure to air. Keep away from heat, sparks and open flame. Elevated temperatures. Keep away from direct sunlight. Do not use in areas without adequate ventilation.
<b>Incompatible materials</b>	Strong oxidizing agents. Strong acids. Metals.
<b>Hazardous decomposition products</b>	None known, refer to hazardous combustion products in Section 5.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Inhalation of dusts may cause respiratory irritation. May cause central nervous system effects.
<b>Skin contact</b>	Causes severe skin irritation. May cause an allergic skin reaction.
<b>Eye contact</b>	Causes serious eye damage.
<b>Ingestion</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Most important symptoms/effects, acute and delayed**

May cause allergic skin reaction. May cause drowsiness or dizziness. Symptoms may include pain, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Causes severe skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin. May cause respiratory irritation. Symptoms may include upper respiratory irritation, coughing, and breathing difficulties.

**Information on toxicological effects**

**Acute toxicity** The below product data is the calculated ATE values for this mixture. Individual ingredient component data appears below the product mixture ATE values.

Product	Species	Test Results
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Sodium Bisulfite Solution

**Acute**

*Oral*

Rat

3736.85 mg/kg (Calculated ATE)

**Components**

**Species**

**Test Results**

Sodium Bisulfite (CAS 7631-90-5)

**Acute**

*Dermal*

Rabbit

No Data in Literature

*Inhalation*

Rat

No Data in Literature

*Oral*

Rat

1420 mg/kg

\* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation**

Hazardous by OSHA criteria. Skin corrosion/irritation - Category 1  
Causes severe skin burns and eye damage.

**Serious eye damage/eye irritation**

Hazardous by OSHA criteria. Serious eye damage/eye irritation - Category 1  
Causes serious eye damage.

**Respiratory or skin sensitization**

**Respiratory sensitization**

Not hazardous by OSHA criteria. May cause asthma-like reaction in hyper-sensitive persons.

**Skin sensitizer**

Hazardous by OSHA criteria. Skin Sensitization - Category 1. May cause an allergic skin reaction.

**Germ cell mutagenicity**

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity**

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Sodium Bisulfite (CAS 7631-90-5)

3 Not classifiable as to carcinogenicity to humans.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**Reproductive toxicity**

This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure**

Hazardous by OSHA criteria. Specific Target Organ Toxicity (STOT), Single Exposure: Category 3  
. May cause drowsiness or dizziness.

**Specific target organ toxicity - repeated exposure**

Not classified as a specific target organ toxicity -repeated exposure.

**Aspiration toxicity**

Not expected to be an aspiration hazard.

**Chronic effects**

Prolonged inhalation may be harmful. None known or reported by the manufacturer.

**12. Ecological information**

**Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components	Species	Test Results
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Sodium Bisulfite (CAS 7631-90-5)

**Aquatic**

Fish	LC50	Western mosquitofish ( <i>Gambusia affinis</i> ) 240 mg/l, 96 hours
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\* Estimates for product may be based on additional component data not shown.

<b>Persistence and degradability</b>	Product is non-biodegradable, since it is an inorganic mineral product.
<b>Bioaccumulative potential</b>	No data available.
<b>Mobility in soil</b>	High water solubility indicates a high mobility in soil.
<b>Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### 13. Disposal considerations

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

### 14. Transport information

**DOT**

<b>UN number</b>	UN2693
<b>UN proper shipping name</b>	Bisulfites, aqueous solutions, n.o.s. (Sodium Bisulfite RQ = 5000)
<b>Transport hazard class(es)</b>	
<b>Class</b>	8
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	8
<b>Packing group</b>	III
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Special provisions</b>	IB3, T7, TP1, TP28
<b>Packaging exceptions</b>	154
<b>Packaging non bulk</b>	203
<b>Packaging bulk</b>	241

**IATA**

<b>UN number</b>	UN2693
<b>UN proper shipping name</b>	Bisulfites, aqueous solution, n.o.s. (Sodium Bisulfite)
<b>Transport hazard class(es)</b>	
<b>Class</b>	8
<b>Subsidiary risk</b>	-
<b>Packing group</b>	III
<b>Environmental hazards</b>	No.
<b>ERG Code</b>	8L
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Other information</b>	
<b>Passenger and cargo aircraft</b>	Allowed.
<b>Cargo aircraft only</b>	Allowed.

**IMDG**

<b>UN number</b>	UN2693
<b>UN proper shipping name</b>	Bisulfites, aqueous solution, n.o.s. (Sodium Bisulfite)
<b>Transport hazard class(es)</b>	
<b>Class</b>	8
<b>Subsidiary risk</b>	-

**Packing group** III

**Environmental hazards**

**Marine pollutant** No.

**EmS** F-A, S-B

**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not established.

**DOT**



**IATA; IMDG**



## 15. Regulatory information

### US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

#### CERCLA Hazardous Substance List (40 CFR 302.4)

Sodium Bisulfite (CAS 7631-90-5) Listed.

#### SARA 304 Emergency release notification

Not regulated.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### Hazard categories

Immediate Hazard - Yes

Delayed Hazard - No

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard - No

#### SARA 302 Extremely hazardous substance

Not listed.

**SARA 311/312 Hazardous chemical** No

#### SARA 313 (TRI reporting)

Not regulated.

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Clean Water Act (CWA) Section 112(r) (40 CFR 68.130)** Hazardous substance**Safe Drinking Water Act (SDWA)** Not regulated.**US state regulations****US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)**

Not listed.

**US. Massachusetts RTK - Substance List**

Sodium Bisulfite (CAS 7631-90-5)

**US. New Jersey Worker and Community Right-to-Know Act**

Sodium Bisulfite (CAS 7631-90-5)

**US. Pennsylvania Worker and Community Right-to-Know Law**

Sodium Bisulfite (CAS 7631-90-5)

**US. Rhode Island RTK**

Sodium Bisulfite (CAS 7631-90-5)

**US. California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision****Issue date** 01-26-2015**Version #** 01**HMIS** H= 2 F=0 R=0**NFPA** H= 2 F=0 R=0

Maximum use level for sodium bisulfite under NSF/ANSI Standard 60 - Maximum use in potable water is 46 mg/L for 38% sodium bisulfite.

Certified to NSF/ANSI 60



## List of abbreviations

ACGIH: American Conference of Governmental Industrial Hygienists  
CAS: Chemical Abstract Services  
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act  
DOT: Department of Transportation  
EC: Effective Concentration  
HMIS: Hazardous Materials Identification System  
HSDB: Hazardous Substances Data Bank  
IARC: International Agency for Research on Cancer  
IATA: International Air Transport Association  
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
ICAO: International Civil Aviation Organisation  
IMDG: International Maritime Dangerous Goods  
LC: Lethal Concentration  
LD: Lethal Dose  
MARPOL: Marine Pollution  
NFPA: National Fire Protection Association  
NIOSH: National Institute for Occupational Safety and Health  
NOEC: No Observable Effect Concentration  
NTP: National Toxicology Program  
OECD: Organization for Economic Cooperation and Development  
OEL: National Occupational Exposure Limits  
OSHA: Occupational Safety and Health Administration  
PPE: Personal Protective Equipment  
RCRA: Resource Conservation and Recovery Act  
RQ: Reportable Quantity  
RTECS: Registry of Toxic Effects of Chemical Substances  
RTK: Right to Know  
SARA: Superfund Amendments and Reauthorization Act  
SDS: Safety Data Sheet  
STEL: Short Term Exposure Limit  
TSCA: Toxic Substances Control Act  
TWA: Time Weighted Average  
VOC: Volatile Organic Compounds  
WEL: Workplace Exposure Limit

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## Disclaimer

### Disclaimer

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## Bibliography

Canadian Centre for Occupational Health and Safety, CCIInfoWeb Databases, 2014 (Chempendium, RTECs, HSDB, INCHEM)  
European Chemicals Agency, Classification Legislation, 2014.  
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